



## V500 Sim Dialer User Manual

### 1. Features:

1. Work with GSM/ UMTS /3G SIM card.
2. Easy to be installed.
3. Will store 2 access numbers. PIN code for calling cards can be set up by end-users
4. Will reroute user's calls after programming the specified access number and PIN codes.
5. Will set prefix to go though or by pass the SIM dialer.
6. Supports prefix removing function
7. Intelligent auto pickup least cost route (LCR) function
8. System PIN to protect data from unauthorized changing.
9. Supports four working modes:
  - a. Carrier select mode
  - b. Force carrier select mode
  - c. Call through wait for IVR prompting
  - d. Call back mode
10. No need to change user's direct dialing habit while enjoying VOIP services:
  - a. Support dialing directly from the Contacts and phone book, and dialed missed history list
  - b. Support dial directly from mobile phone's missed calls/ call record/ call history/ recent calls.
11. Compatible with many mobile phones, Nokia, Motorola, Sony Ericsson, Samsung, LG, **Blackberry**, Iphone and more.
12. Supports **remote configuration** via SMS configuration toolkit!
13. Supports unlock function! (to unlock your mobile phones)
14. Supports keypad programming.
15. Supports configuration via programmer toolkit at site!
16. Supports SMS triggered callback **---new function!**

### 2. Installation

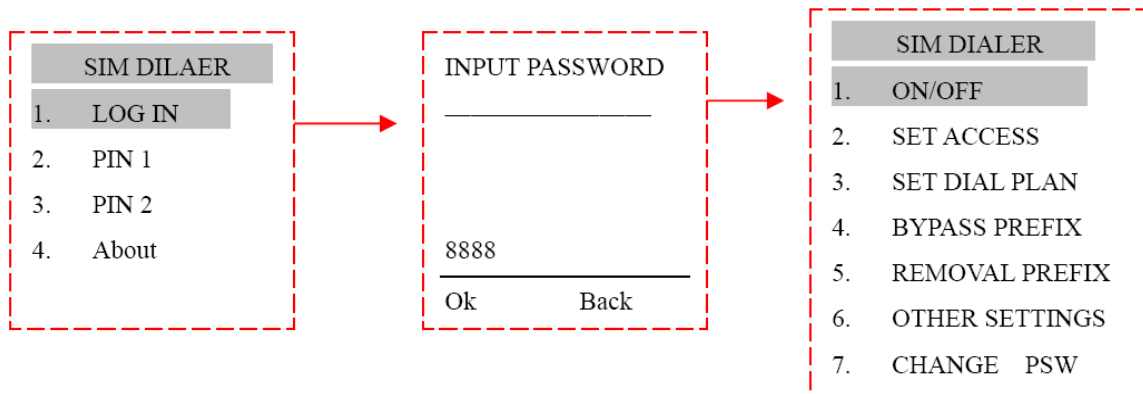
- 1). For most phones, you just attach the sim dialer to GSM sim and insert both of them into sim holder. For few model mobile phones, you might cut a corner or punch a hole on your SIM card which size is just fit the chipset on the SIM dialer. Stick it to your SIM card tightly, and then put them together to the SIM holder easily. Please note that cutting a hole on SIM card is not necessary, but doing so could make a better connection.





If necessary, you can punch a hole on SIM for easier insertion into SIM holder

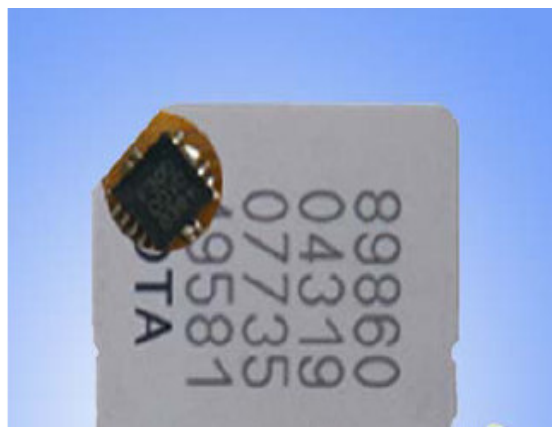
2). After proper installation, power on your mobile, you will find the STK menu appears in your mobile phone menu (this means your mobile phone support sim dialers), input the system password (for example 8888), and you could enter the STK menu for setting up SIM dialer.

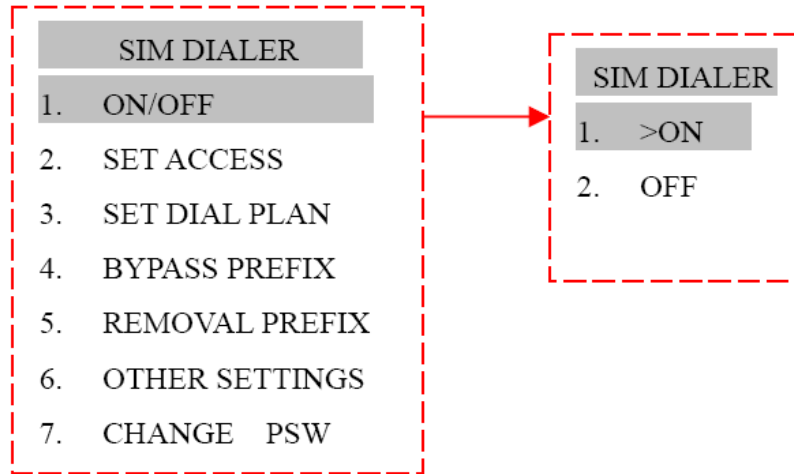


### 3. Operation instruction:

#### 1) enable/disable the IP dialer service

Choose ON/OFF in Menu 1, enable dialer use or not use IP service.





On means use dialer IP service, off means don't use IP dialer service.

### 2) Set PIN code for calling cards

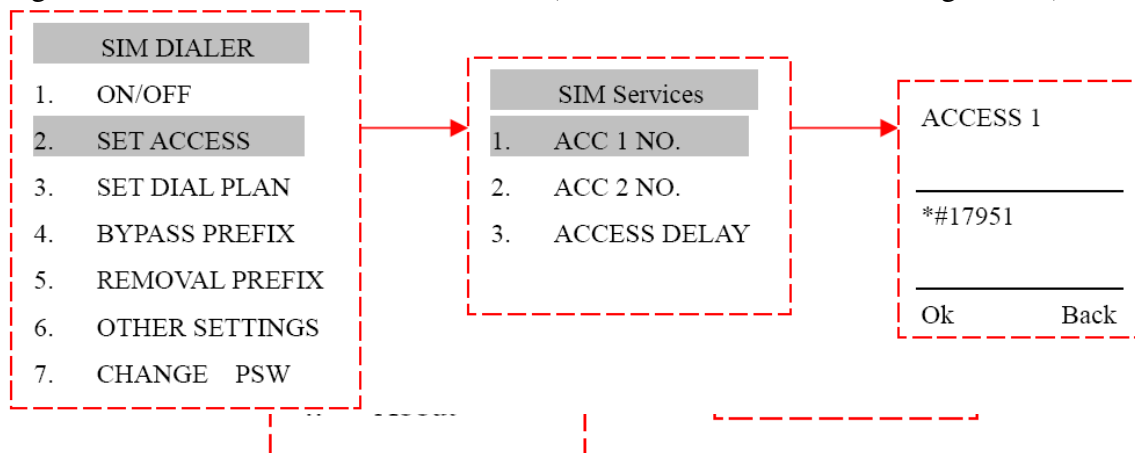
You could set 2 account numbers, including PIN.

On the Login menu, you could input the pin code for the calling card. If there are more than one stages example, Account and PIN, use \* to separate them. For pinless system, just keep it blank.

### 3) Set PIN code for calling cards

**Press log in and enter system password, you can see the sub-menu of SET ACCESS**

E.g. You can set access number of 17951 (\*# stands for Direct Callthrough mode)





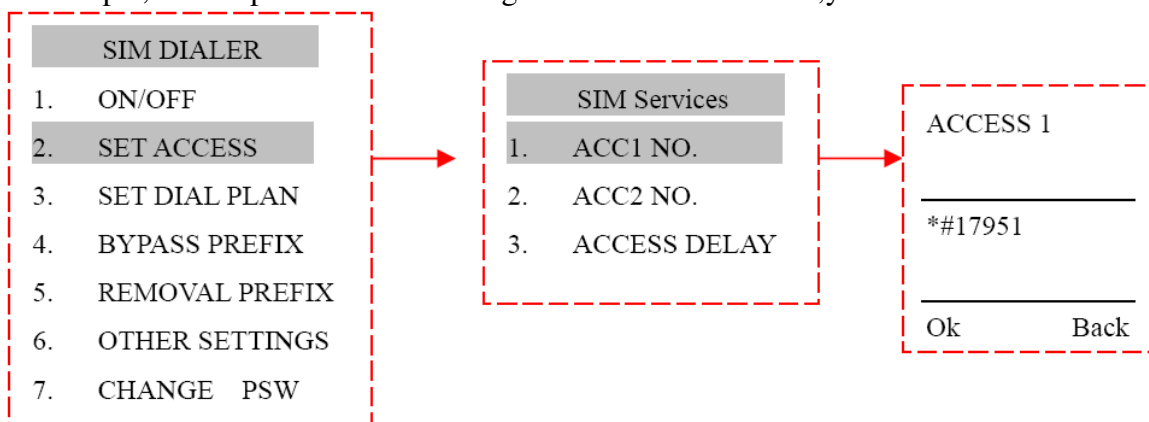
There are three main working modes, the 2 symbols in front of access number will tell the sim dialer to work with Direct call-through, Call-through with IVR or Callback mode.

- a. Direct Callthrough mode. add \*# in front of access number. E.g.: \*#17951
- b. Call through wait for IVR. Add ## in front of access number. e.g.: ## 10086
- c. Call back mode. Add \*\* in front of access number e.g.: \*\*800810000

Below are full instructions for setting access number with different working modes.

A). Direct Call-through access number setting

Example, to set up a direct call-through access number 17951,you will set as follows:

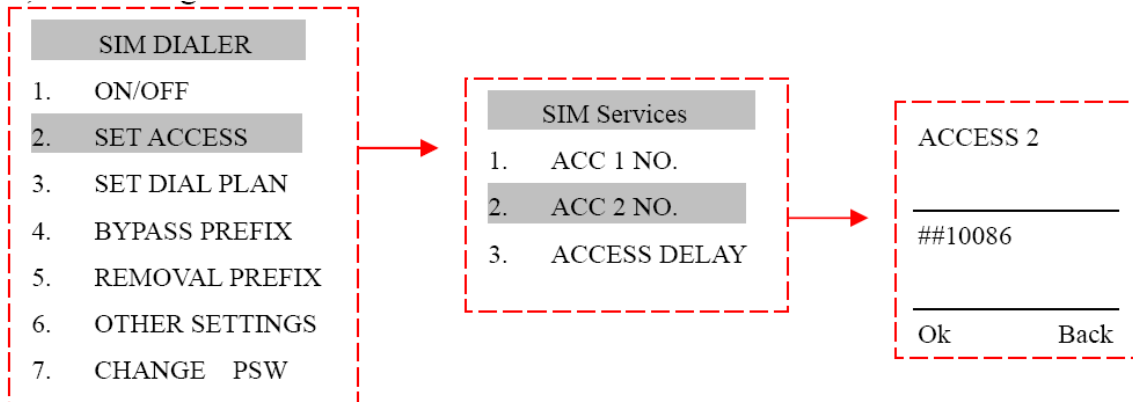


With this setting, Dialer will send access number 17951 +destination number without waiting for IVR prompting after access number, because there is no IVR after access number.

e.g.: User dials 012345678, Then dialer will dial 17951012345678 continuously.

B). Call-through with IVR access number setting

Suppose we are setting access number 10086 which will have IVR after it.



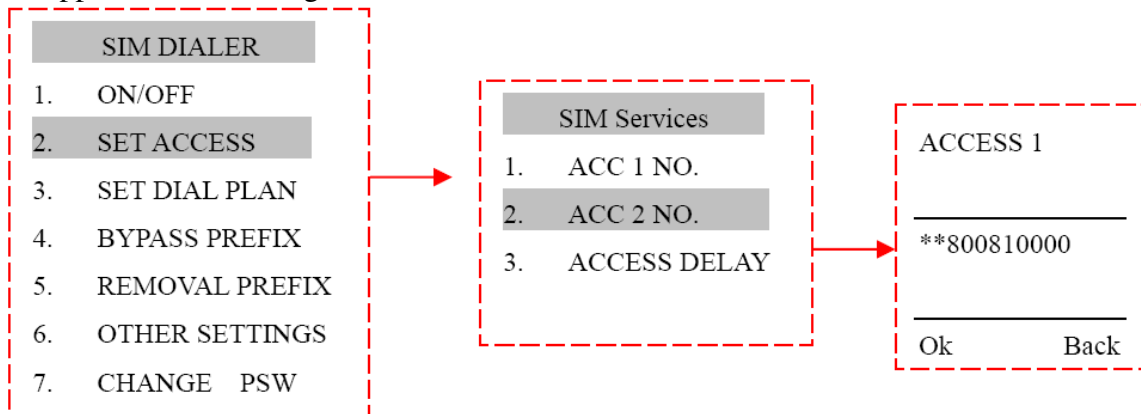
With this setting, dialer dials access number 10086, then pause to wait for IVR prompting and then sends destination number .

e. g.: you dial 00125678999,

Dialer will dial 10086, then wait for IVR prompting, then send 00125678999.

#### C).Callback mode access number setting

Suppose we are setting a callback access number 800810000



With this setting, dialer will work in this way

User dials destination number,e.g 440234567999

-Dialer keeps the destination number in memory and dial access number 800810000

-System hangs up or user hangs up when hears connection tone.

-System callback within a few seconds and user picks up the phone

-SIM dialer will automatically dial out the destination number 440234567999

-The call is connected

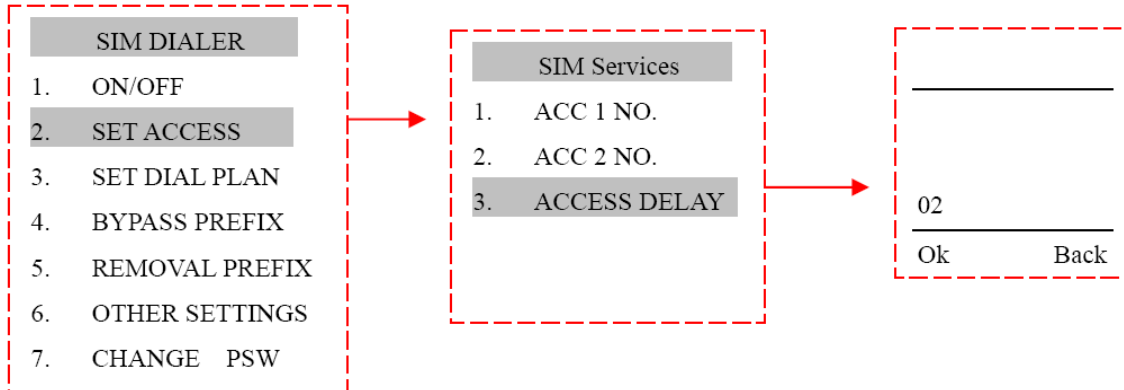
For most callback or callthrough systems, you are required to add # or other key as suffix code after the destination number you dial. Suffix code can be set as your system requires.

Suffix/Ending codes can be set in the OTHER SETTING menu.



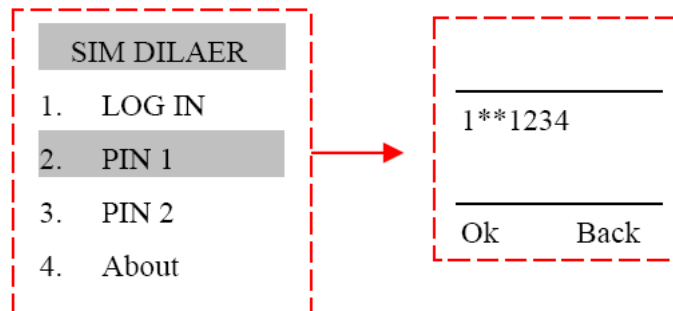
### 3) Set time delay after access number

Choose Menu 2 SET ACCESS, set time delay after access number. (TT= (00-NN) \*3 second) .E.g. set time delay 02 stands for 6 seconds delay/pause after access number.



### 4) Set time delay after PIN

To set time delay after PIN or any stage, use \* as pause (every \* stands 3 seconds pause)  
Enter Main menu and enter PIN to set PIN and delay time.

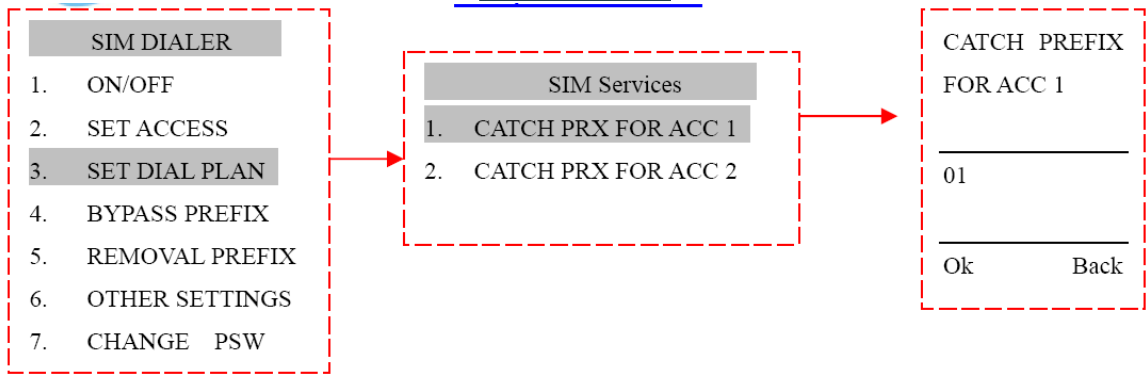


Here the first \* after 1 stands for 3 seconds pause after 1 option, second \* is a separate symbol. In this case, the dialer will dial 1 and wait for 3 seconds, then dial 1234 PIN. You can also add \* after PIN for pause.

### 5) Dial plan setting

#### (A) Set prefix to go through dialer:

Choose Menu 3 SET DIAL PLAN, to set prefix codes which will be routed to go through dialer.

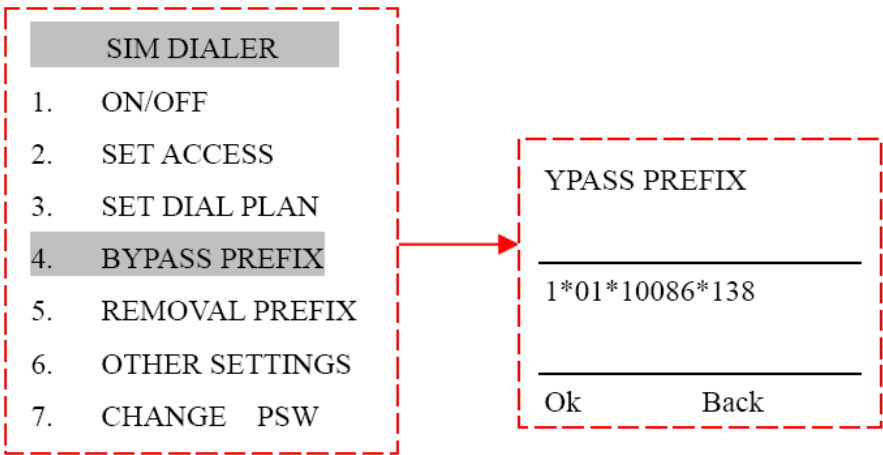


Catch Prefix for Acc 1 means the prefix codes which will be routed to access number 1. When you dial the number starting with the prefixes which match dial plan for access number 1, it will reroute the call to go through Access number 1 .  
 .E.g. set activation prefix 01 for Access number 1 (ACCESS number 1 is 17951),  
 When you dial 013312958466, dialer will dial 17951013312958466.  
 If there more than one prefix, use \* to separate them. E.g. 01\*2\*3\*4\*5\*6 is to let prefix 01, 2, 3, 4,5, 6 go through access number 1.

Same way, you can set other catch/active prefix codes for access number 2.  
 Once you dial a destination number, the sim dialer will decide to pick up access number 1 or 2 according to your dial plan setting.

**(B) Set prefixes to bypass the dialer**

Bypass prefixes are those number prefixes that you don't want to go through dialer, and they will go to local GSM networks directly.  
 Choose Menu 4 BYPASS PREFIX, set the bypass prefix. If you have more than one prefix, use \* to separate them.

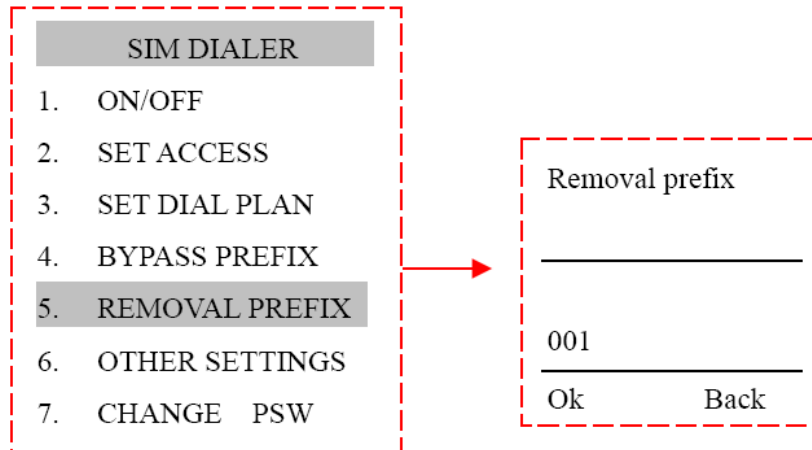


After this configuration, all the phone number beginning with 1, 01, 10086, and 138 will be bypassed to local GSM networks, which means that when dialing numbers starting with



these bypass prefixes, the dialer won't work.

### 6) Set removal prefix:

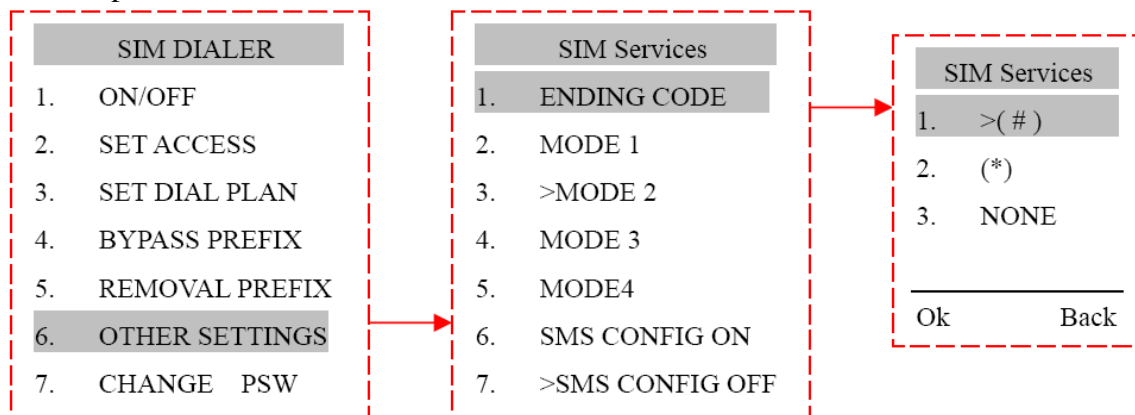


In this case, when you dial 0018675526521881, dialer will send 179518675526521881(001 removed) (say access number is 17951).

### 7) Other setting

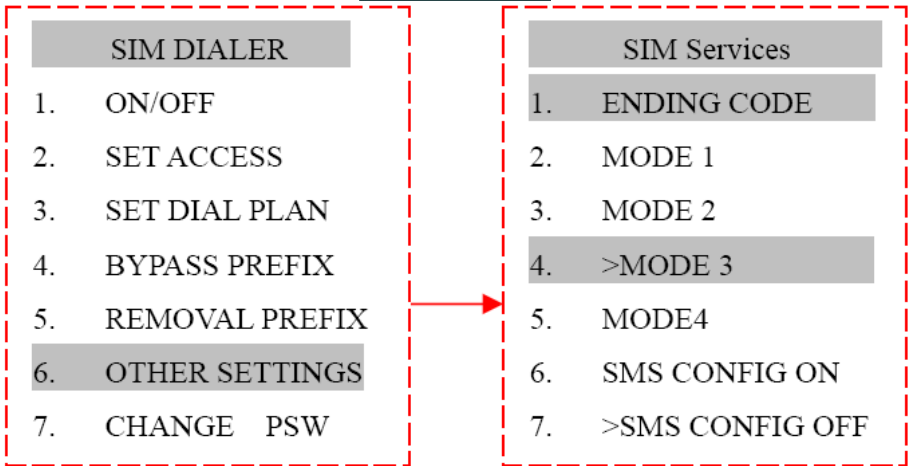
a.) Set suffix/end code for destination number.

SIM dialer could automatically add # or \* after the destination number. When you choose #, then all the call use IP service will add # after the destination number automatically. If you don't need to add any suffix/end code after the destination number, just choose NONE option.



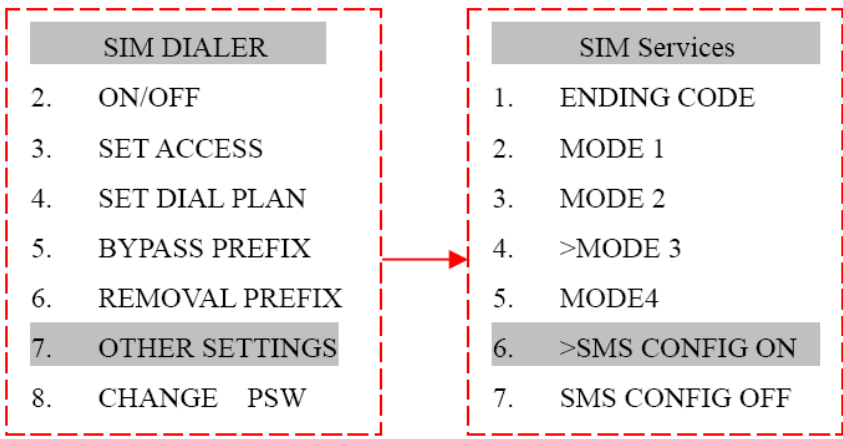
b.) Select mode

Mode 1, 2, 3, 4 is designed for compatibility of different brands mobiles or different telecom carriers. Choose the suitable mode for your mobile. Default is mode 2.



**c.) SMS configuration on/off function**

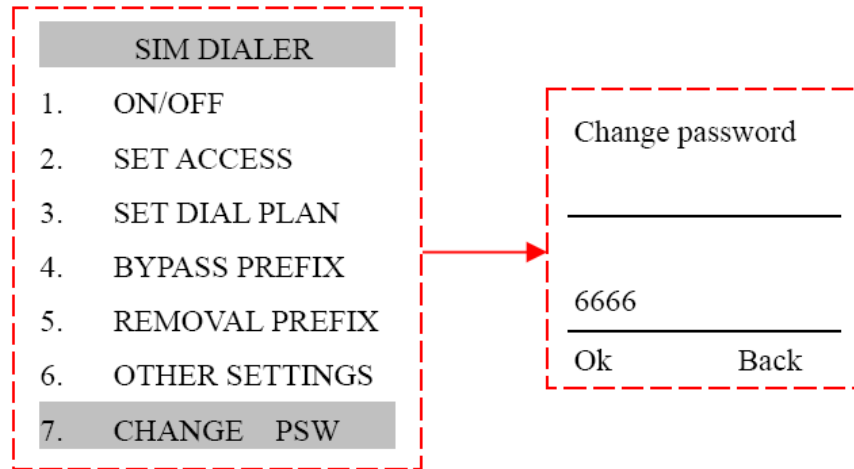
This menu is designed for SMS configuration tool to program the dialer from Server Center. Choose SMS CONFIG ON, the mobile installed dialer could be re-programmed by receiving the SMS from the server center.



Default setting is SMS CONFIG ON.

**8) Password setting**

**This is to change system passwords. Please remember your new password !!**



## 9) About

This menu shows the dialer version.

## 4. Q &A

1) Mobile phone can't detect the SIM card after installed the SIM dialer, why?

- Some of our dialers are too advanced for some phones. If this happens, usually our V200, V240 or V250 version will work.

2) After proper installation of the Mobile Dialer, I still can't connect and use the Calling Card Service. Why?

- Confirm that you activated your IP service; confirm your provider's service covers your location; Doublecheck your access number and pin. Also your prefix must be entered.

3) I don't want some toll free number or local number use dialer, how to do it?

- You could program it as bypass prefix, refer to bypass prefix setting on page 5.

4) I want all numbers beginning with 00 to use my international server, all the other numbers touse local server, can I? How do I do that?

- Yes, you can. Say international server access number 1 is 12593, local server access number 2 is 17951. You set access number 1=12593, access number 2=17951. Set catch prefix for access 1 =00, set catch prefix for access 2 =1\*2\*3\*4\*5\*6\*7\*8\*9\* After configuration, all the numbers beginning with 00 will go though access number 1, and all the other calls not beginning with 00 will go though the access number 2.

5) Does the SIM dialer support PIN system and time delay after access and PIN?



- Yes, you can. You could set access number and PIN, Say access is 08888, pin is 56456, time delay after access number is 6 seconds, after PIN is 3 seconds. Then you could set access number 1 =##08888. ( call though mode), set access time delay =02. and then set PIN1 =56456\*. 02 represents 6 seconds time delay after access number 08888. The \* after 54546 represents 3 seconds time delay.

6) Sometimes I don't want to use IP service, how to do it easily?

- Very simple, just choose OFF to close the IP service. When you want to use the IP service again, just choose the mode you had programmed before, no need to program them again because the dialer will keep your previous settings.

7) I have several calling cards, can I use them freely?

- Yes. The SIM dialer could support 2 access numbers at present and you could program prefix to use corresponding access number. If you need more access numbers, we could customize for you.

8) I don't want user to change the access number in the SIM dialer, can I add a password for protection?

- Yes, we could customize it for you, such as fix your access in the chipset, add a protect password and so on. In our new design dialer, we add a system password to log in main menu. And you could change this password by yourself.

9) When I dial 0044845678, but I want dialer only send 44845678, can I do that? How?

- Yes. You could use prefix removing function. Choose the 5 option removal prefix, input 00. It will removal 00 only send 44845678. please refer to page 6.

10) How can I program mass settings together when there is a big quantity?

- Such condition we could do configuration for you . Or you could use our SIM dialer configuration toolkit to program them. For small quantity, you need to configure it by yourself one by one on your phone.

11) What is the SMS configuration tool?

- It is a device using SMS to program the SIM dialer, including one GSM SMS modem and one PC software. Both the hardware and software are mandatory. The SMS is a special format defined by us instead of a common plain text format. The modem could send hundreds SMS once. It is convenient for carriers to re-program the dialer when they want to change the previous setting in the SIM dialer remotely.

12) How to use the unlock function?



- Just choose the Unlock On , and then put the SIM dialer with any SIM card into the locked phone to enjoy the service of the mobile phone offered.

13) For some 3G phone, it could not find the SIM dialer menu, how can I do?

- You could program the dialer use 2G phone, and the insert to 3G phone, or use SMS toolkit to program the dialer and you still can use the keypad to program the dialer. You can contact us for the keypad command list.

12) Can the SIM dialer be used for all brand mobile phones and for all networks?

- No. the SIM dialer could only work with GSM /UMTS/USIM/UICC SIM card currently and it is not ensured to be compatible with all phones. See chart below for model tested. We will update the functions of the SIM dialer and update the models of the mobile. Please inform us if there is any applicable (inapplicable) model that you have.

This is tested list for your reference, other models may be supported.